

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**

**IgG WESTERN BLOTTING WITH 5 DIFFERENT STRAINS AS ANTIGEN
IgG AND IgM RESPONSE IN STAGE II
IgG RESPONSE IN STAGE III**

NEUROBORRELIOSIS, STAGE II

(IgM)

(IgG)

Neuroborreliose. Stadium II

(IgM)

(IgG)

p41 - - - -

- p41

pC < - - -

Acrodermatitis

(IgG)

p100

p60 - - - - -

p41 -

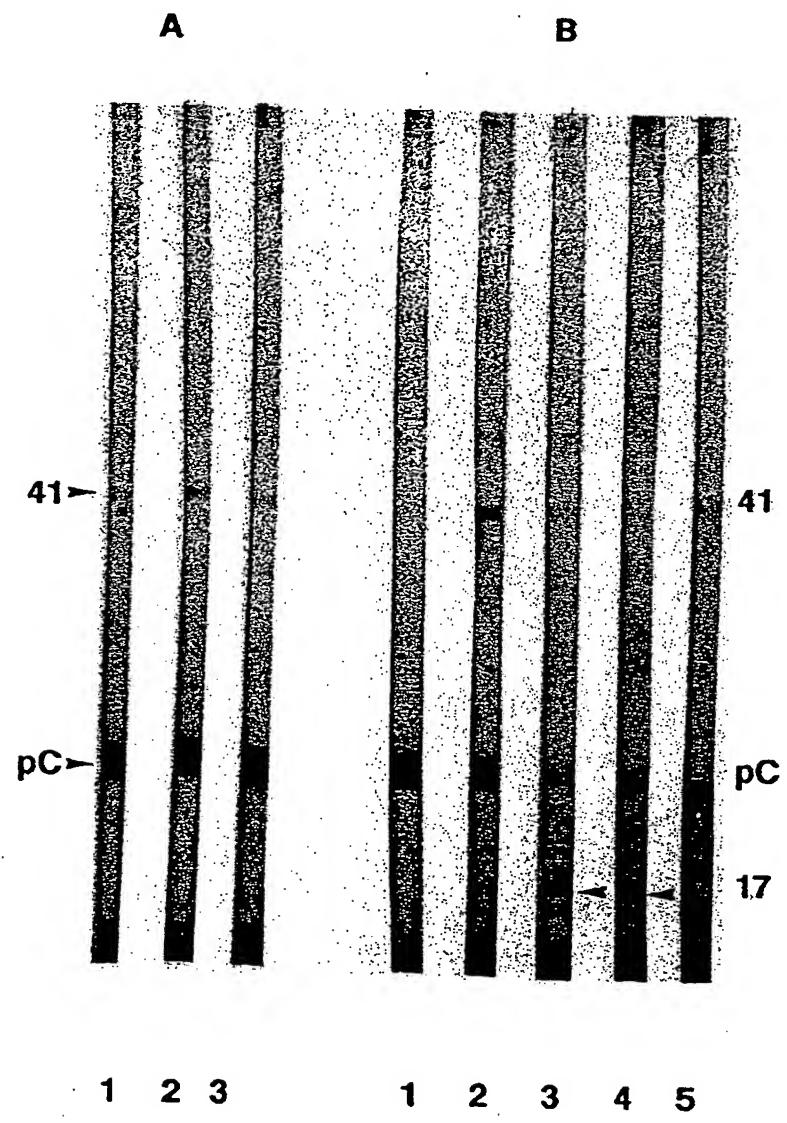
p17

Arthritis

(IgG)

FIG. 1

IgM WESTERN BLOT WHEN THERE IS ERYTHEMA MIGRANS
ANTIGEN: B. BURGDORFERI/PK₀ STRAIN



PATIENT A: 1 FIRST TEST

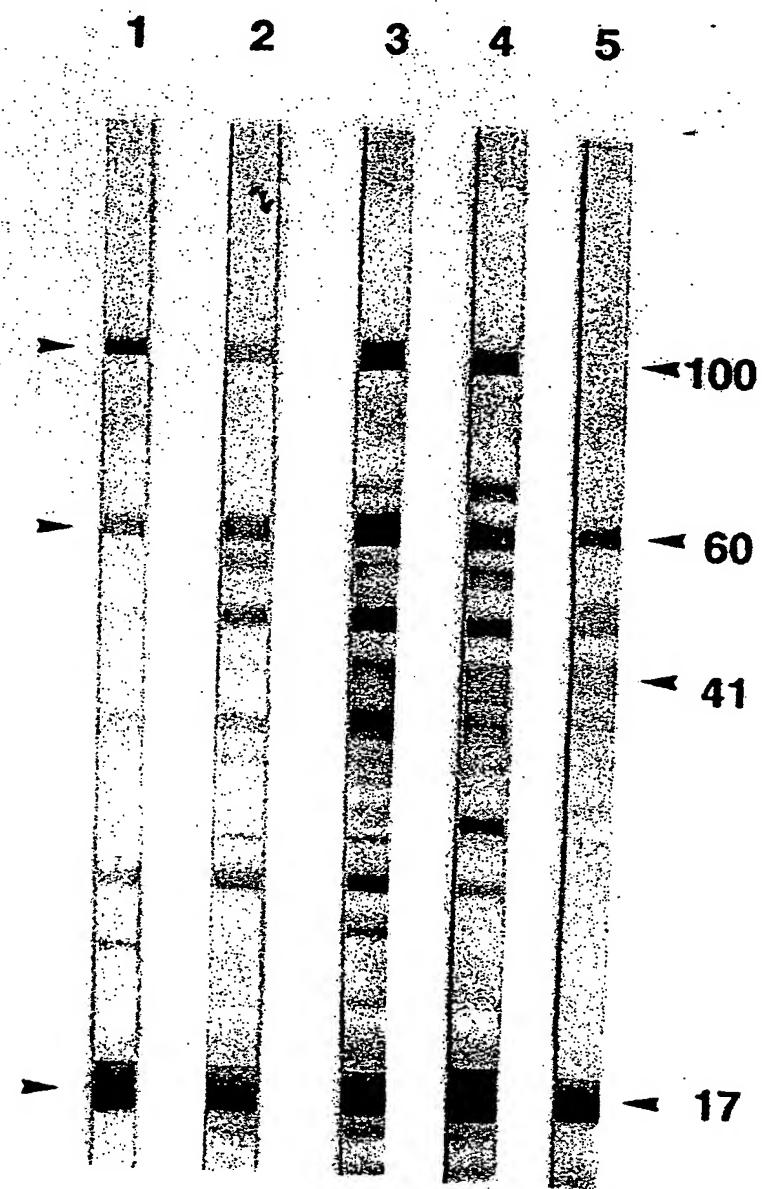
2,3 MONITORING PROGRESS AFTER 1 AND 3 WEEKS

PATIENT B: 1 FIRST TEST

2-5 MONITORING PROGRESS AFTER 2, 9, 10 AND 11 WEEKS

FIG. 2a

IgM WESTERN BLOTT WHEN THERE ARE LATE MANIFESTATIONS
ANTIGEN: B. BURGDORFERI/PK₀ STRAIN



1, 2, 3 ACRODERMATITIS
4, 5 ARTHRITIS

FIG. 2b

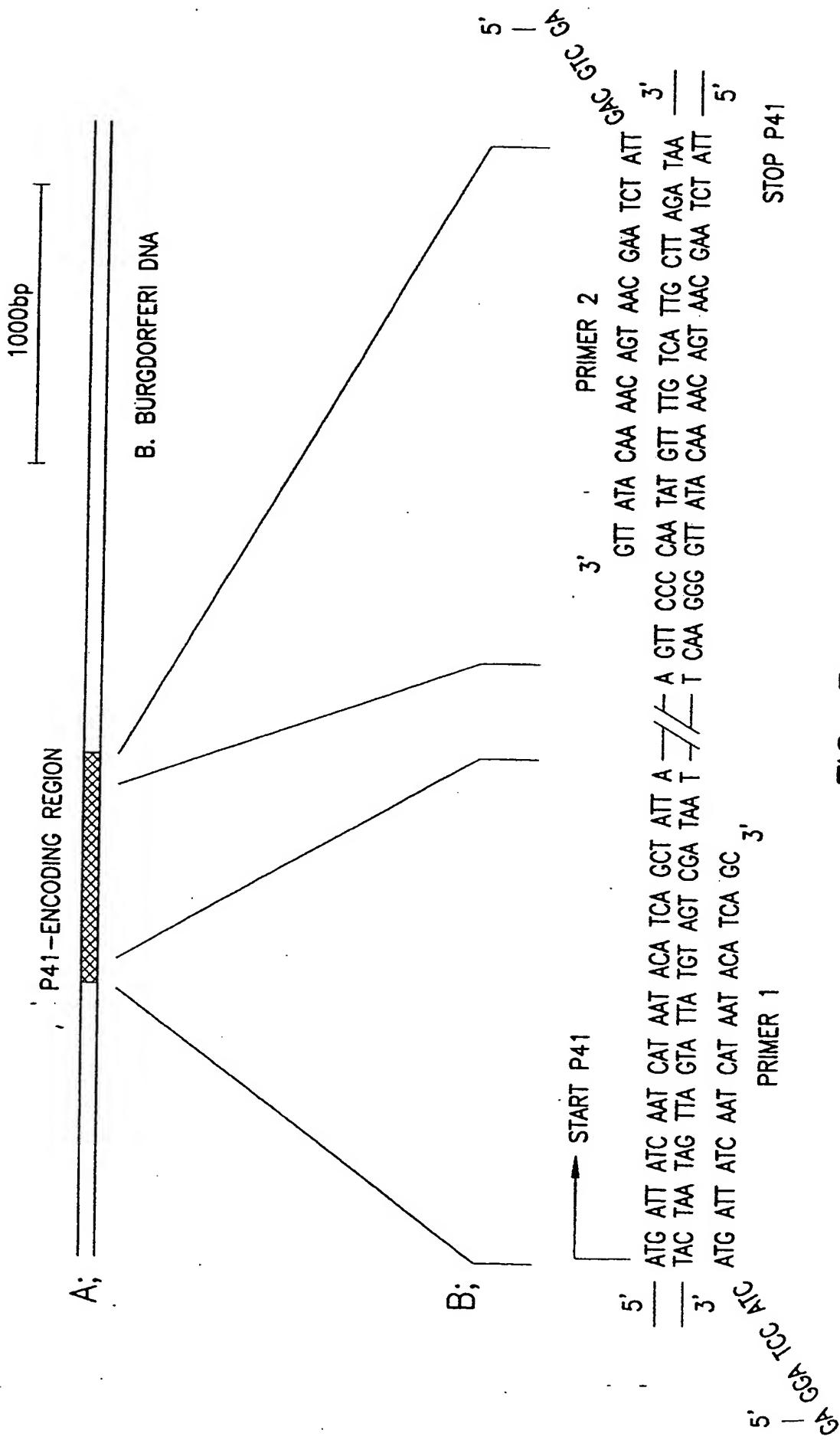
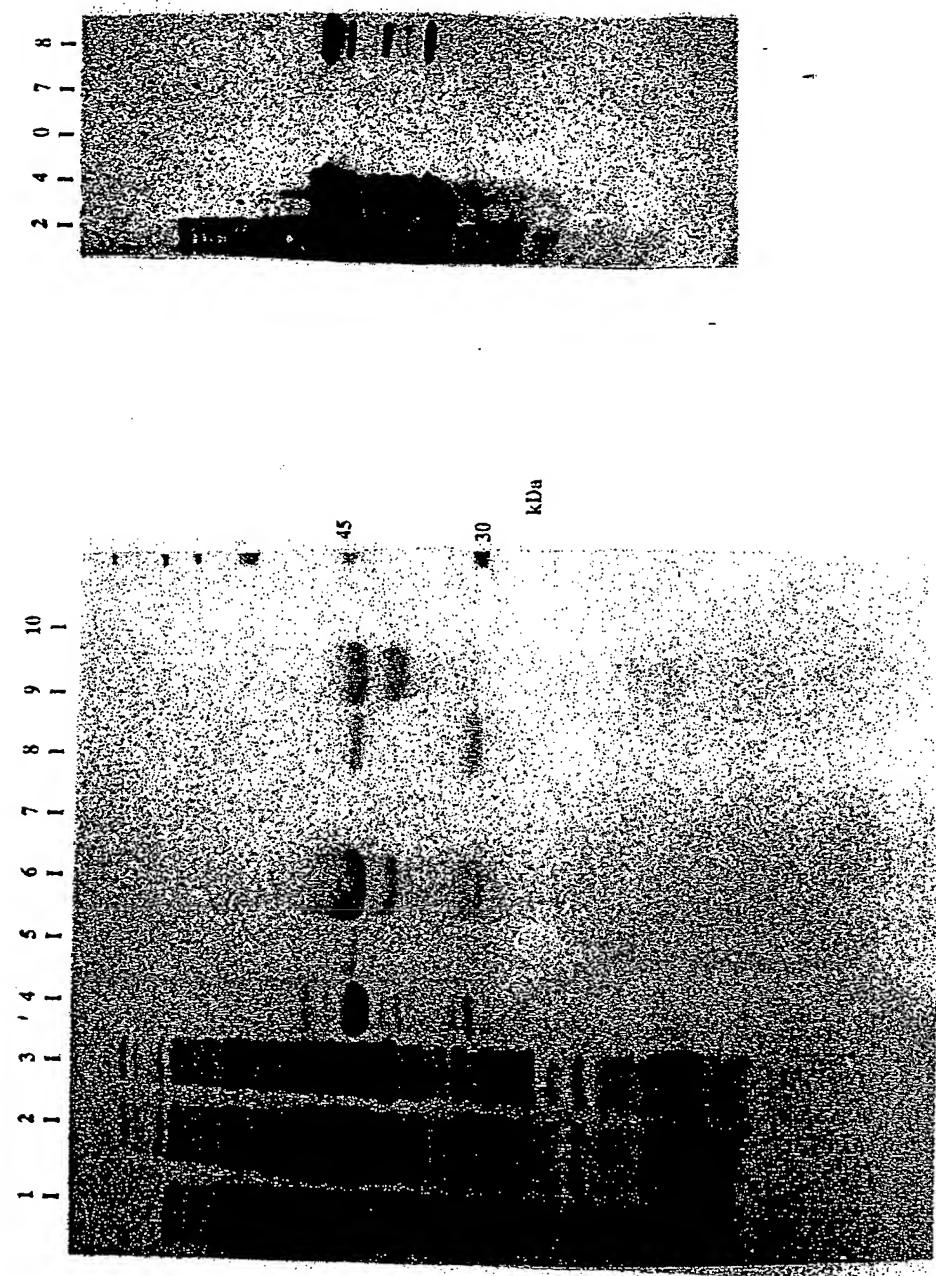


FIG. 3

FIG. 4



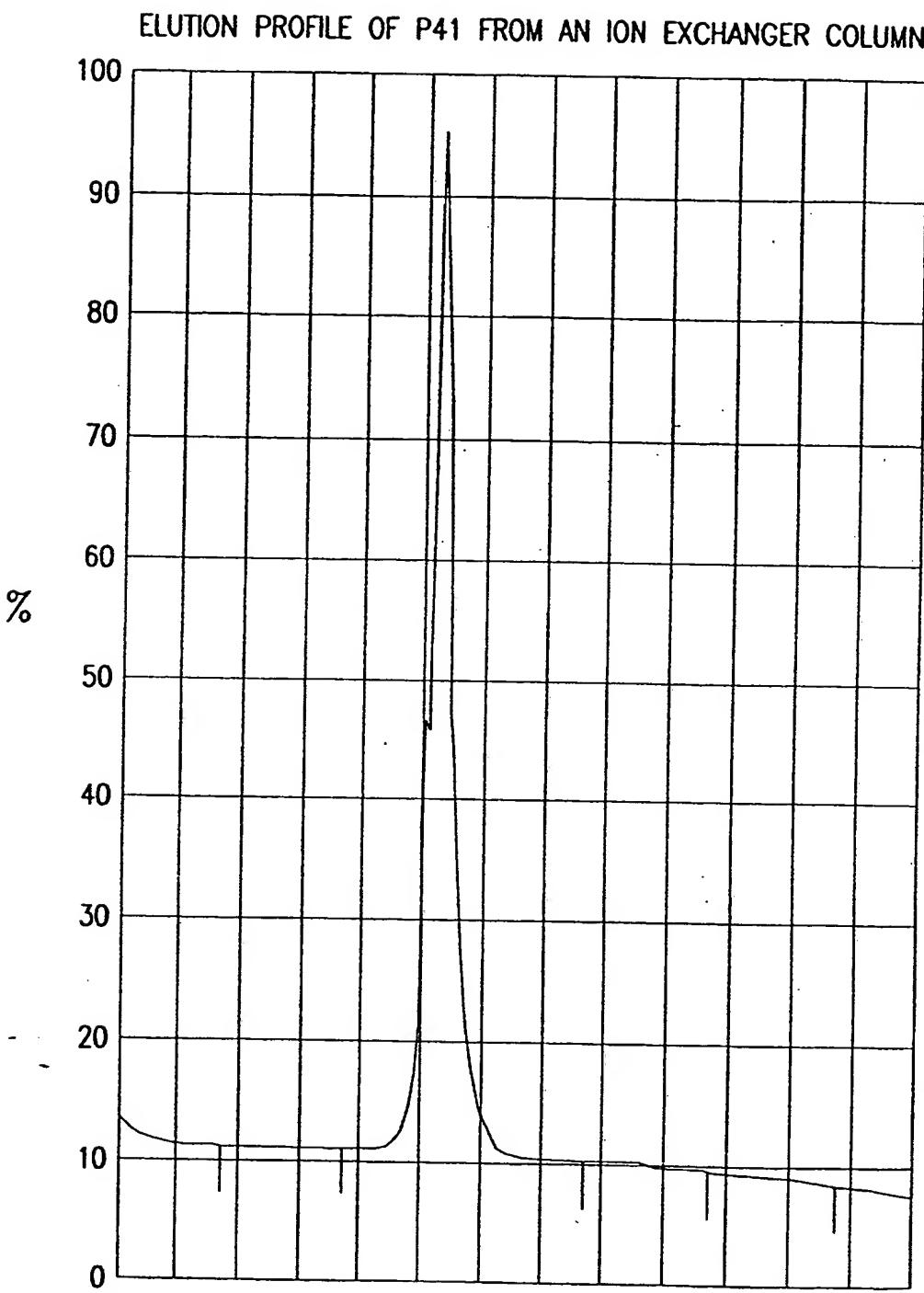
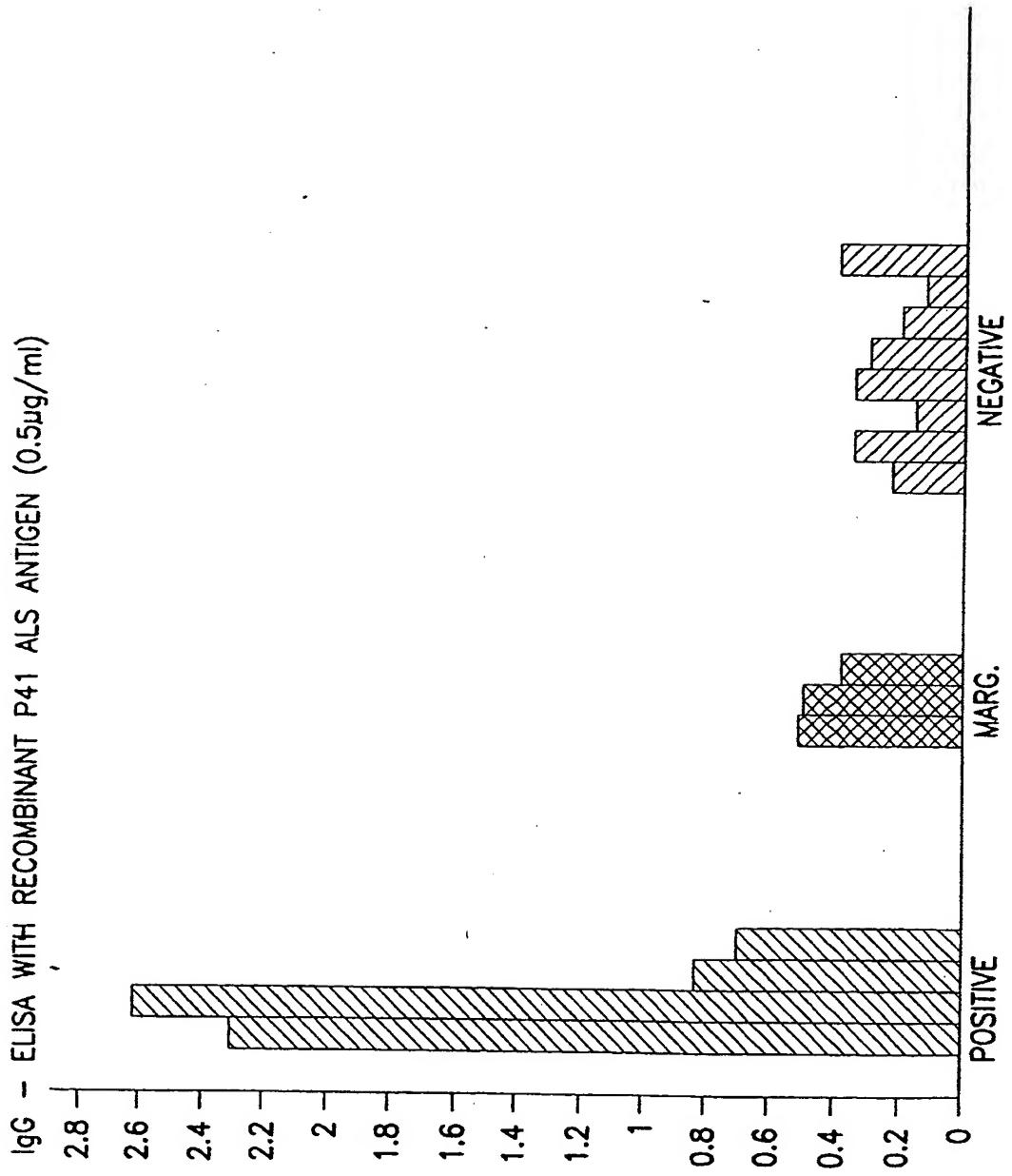


FIG. 5



6
FIG.

MONOCLONAL ANTIBODIES AGAINST B. BURGDORFFERI

L100 1D4 L41 1C11 L41 1D3

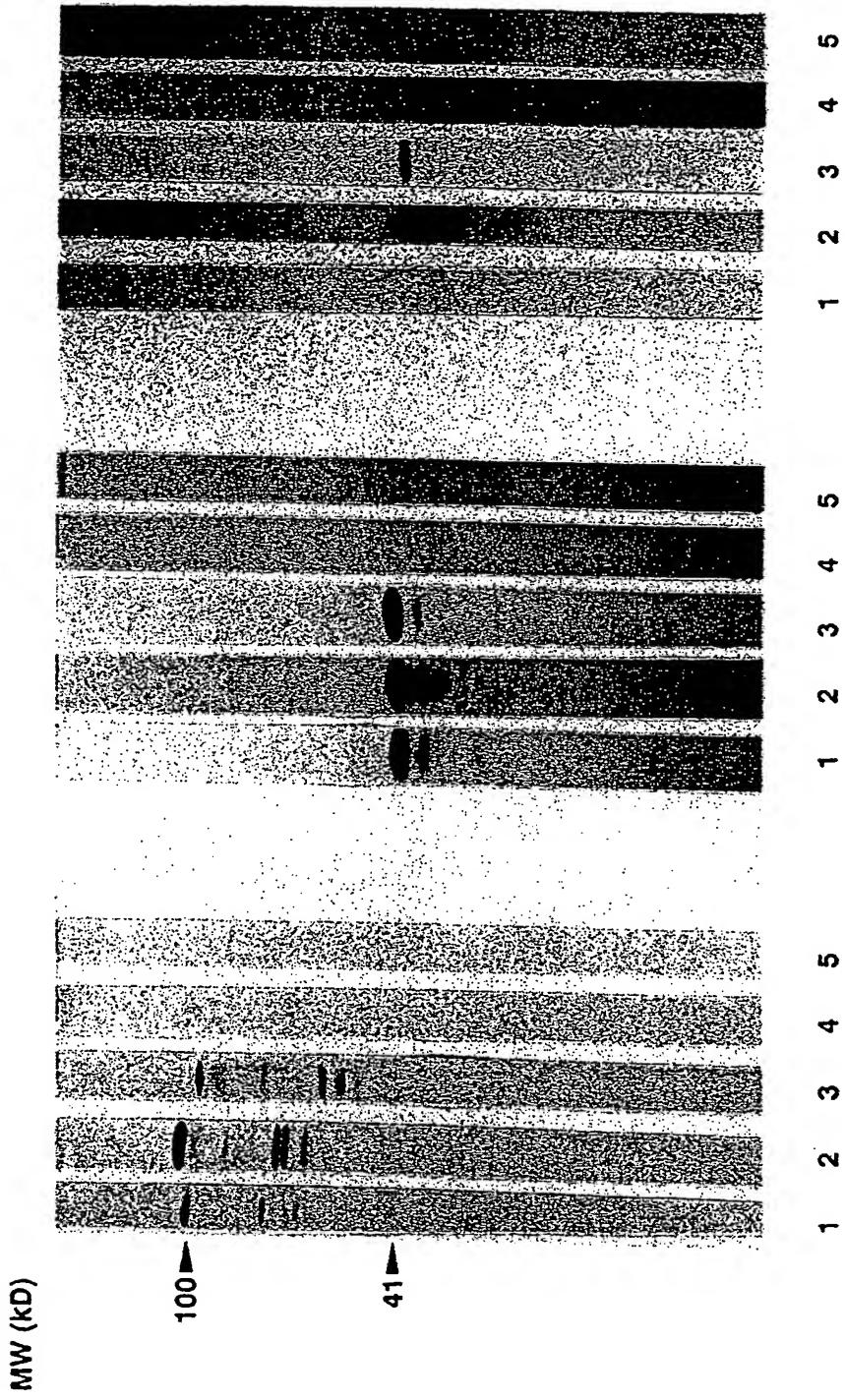


FIG. 7A

MONOCLONAL ANTIBODIES AGAINST B. BURGDORFERI

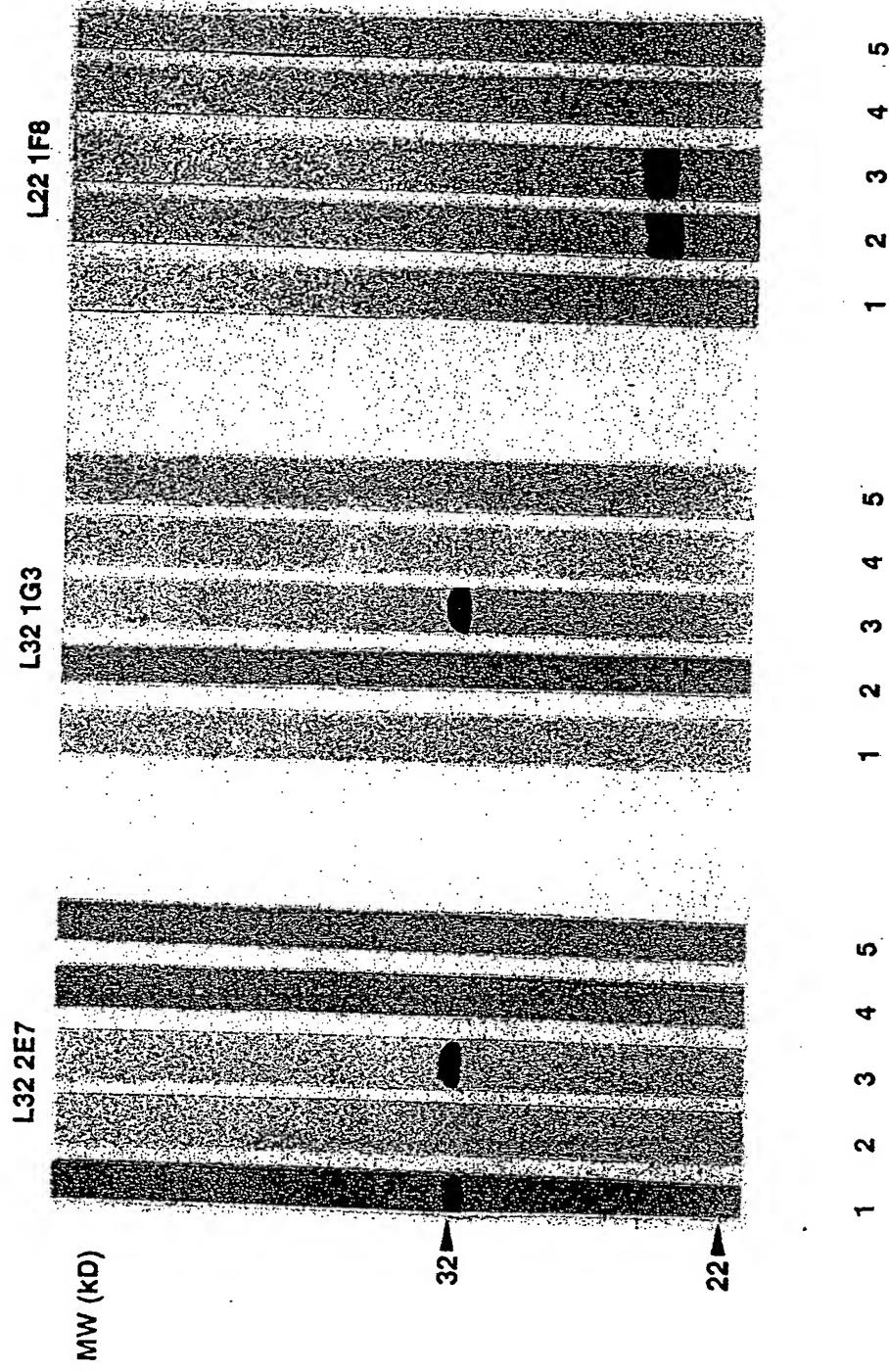


FIG. 7b